



Replacement Specification 10/812,698

UNITED STATES PLANT PATENT APPLICATION

of

L. PERNILLE AND MOGENS N. OLESEN

for

ROSE PLANT NAMED

'Poulcs012'

ROSE PLANT NAMED

'Poulcs012'

ABSTRACT OF THE DISCLOSURE

A new garden rose plant of the floribunda class which has abundant, light yellow flowers and attractive foliage. This new and distinct variety has shown to be uniform and stable in the resulting generations from asexual propagation.

SUMMARY OF THE INVENTION

BOTANICAL CLASSIFICATION

*Rosa hybrida*

VARIETY DENOMINATION

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'Poulcs012'

The present invention constitutes a new and distinct variety of garden rose plant which originated from a controlled crossing between the female seed parent, an unnamed seedling, and the male pollen parent 'Poulsun', United States Plant Patent number 9,716. The two parents were crossed during the summer of 1992 and the resulting seeds were planted in a controlled environment in Fredensborg, Denmark. The new variety named 'Poulcs012' originated as a single seedling from the stated cross.

The new variety may be distinguished from its unnamed female seed parent, by the difference in flower color. While the seed parent has creamy white flowers, 'Poulcs012' has medium yellow flowers.

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The new variety may be distinguished from its male pollen parent, 'Poulsun' by the following combination of characteristics:

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1. While the pollen parent 'Poulsun' has flower petals which are Yellow Group 13A on the upper surface, 'Poulcs012' has flower petals

which are Yellow Group 4C.

2. While the pollen parent reaches a height of 12 inches (30 cm), 'Poulcs012' grows taller, to a height of 60 cm.

5 The objective of the hybridization of this rose variety was to create a new and distinct variety for garden use with unique qualities, such as:

10 1. Uniform and abundant light yellow flowers;  
2. Vigorous, but compact growth when propagated both as a budded rose and on its own roots;  
3. Disease resistance;  
4. Continuous flowering.

This combination of qualities is not present in previously available commercial cultivars of this type, 15 known to the inventors, and distinguish 'Poulcs012' from all other varieties of which we are aware.

As part of their rose development program, L. Pernille Olesen and Mogens N. Olesen germinated the seeds from the aforementioned hybridization during winter of 1992 and 20 conducted evaluations on the resulting seedlings in a controlled environment in Fredensborg, Denmark.

'Poulcs012' was selected in the spring 1993 by the inventors as a single plant from the progeny of the aforementioned hybridization.

25 Asexual reproduction of 'Poulcs012' by traditional

budding and rooted cuttings was first done by L. Pernille  
and Mogens N. Olesen in their nursery in Fredensborg,  
Denmark in July, 1993. This initial and other subsequent  
aseexual propagations conducted in controlled environments  
5 have demonstrated that the characteristics of 'Poulcs012'  
are true to type and are transmitted from one generation to  
the next.

BRIEF DESCRIPTION OF THE DRAWING

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The accompanying color illustration shows as true as  
is reasonably possible to obtain in color photographs of  
this type, the typical characteristics of the buds, flowers,  
leaves, and stems, of 'Poulcs012'. Specifically illustrated  
15 in the first drawing:

Fig 1.1; Open flower, stem showing cluster of  
open flowers, branching, and the  
attachment of leaves, buds, and  
peduncles;

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Fig 1.2; Flower bud closed, flower bud as  
sepals unfold, and partially open;

Fig 1.3; Flower petals, detached;

Specifically illustrated in the second drawing:

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Fig 2.1; Sepals, receptacle, and peduncle;

Fig 2.2; Juvenile leaf;

Fig 2.3; Mature leaves;

Fig 2.4; Bare stems exhibiting thorns.

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**DETAILED DESCRIPTION OF THE VARIETY**

The following is a description of 'Poulcs012', as observed in its growth in a field nursery in Jackson County, Oregon. Observed plants are 3 years of age. Plants were 10 grown on *Rosa multiflora* understock. Color references are made using the Royal Horticultural Society (London, England) Colour Chart, 1995, except where common terms of color are used.

For a comparison, several physical characteristics of 15 the rose variety 'Pouljill', United States Plant Patent number 12,522 are compared to 'Poulcs012' in Chart 1.

CHART 1

	'Poulcs012'	'Pouljill'
Petalage	30 to 35 petals	35 to 40 petals
20 Plant height at full maturity.	60 cm	100 cm

Upon opening: flower petals inner surface of inner petals.	Yellow Group 4C.	Yellow Group 13B with marginal zone Yellow Group 11D.
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**FLOWER AND FLOWER BUD****Blooming habit:** Continuous.

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**Flower bud:**

Size: Upon opening, 18 mm in length from base of receptacle to end of bud. Diameter is 15 mm.

Bud form: Broadly ovate to spherical.

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Bud color: As sepals unfold, petals are Yellow Group 2C with intonations of Red Group 47A. At  $\frac{1}{4}$  opening petals are Yellow Group 4D.

**Sepals:**

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**Upper Surface:**

Color: Yellow-Green Group 143C with anthocyanic pigments of Greyed-Red Group 181B.

Surface: Moderately pubescent.

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**Lower Surface:**

Color: Yellow-Green Group 143C with

anthocyanic pigments of  
Greyed-Purple Group 184C.  
Texture: Smooth with abundant and  
very fragrant stipitate  
glands.

5 Sepal Shape:

Sepal apex is cirrhose.  
Base is flat at union with  
receptacle.

10 Sepal Margin:

Margins have strong  
foliaceous appendages on  
three of the five sepals.

Size: 18 mm (l) x 8 mm (w).

15 Receptacle:

Surface Texture:

Smooth and glabrous.

Shape: Funnel shaped.

Size: 4 mm (h) x 6 mm (w).

20 Color: Yellow-Green Group 144A.

Anthocyanic pigments the  
color of Greyed-Orange Group  
167A observed.

Pedicel:

25 Surface: Heavy stipitate glands and

fragrant.

Length: 20 to 25 mm average length.

Diameter: 3 mm on average.

Color: Yellow-Green Group 144B.

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Weak anthocyanic pigments  
the color of Greyed-Red  
Group 180B observed.

Strength: Strong.

Borne: In clusters of 21 flowers,

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7 buds per individual  
flowering stem.

Peduncle:

Length: 60 to 100 mm.

Diameter: Normally 4 mm.

15

Color: Yellow-Green Group 144B.

Texture: Smooth.

**Flower bloom:**

Fragrance: Moderate wild rose scent.

Duration: The blooms have a duration  
on the plant of  
approximately 10 to 14 days.

20

After flowers completely  
mature, petals fall cleanly  
away from plant.

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Size: Flower diameter is 53 mm when

open. Flower depth is 27 mm on average.

Form: Calathiform.

5 Shape of flower when viewed from the side:

Upon opening, upper part: Flat.

Upon opening, lower part: Flat.

Open flower, upper part: Flat.

10 Open flower, lower part: Concave

Petalage: Average range is 30 to 35 petals under normal conditions with 10 petaloids.

15 Color:

Upon opening, petals:

Outermost petals:

Outer side: Yellow Group 4D.

Inner Side: Yellow Group 4C.

20 Innermost petals:

Outer side: Yellow Group 4D.

Inner Side: Yellow Group 4C.

After opening, petals:

Outermost petals:

25 Outer side: Yellow Group 4D.

Inner Side: Yellow Group 4C.

Innermost petals:

Outer side: Yellow Group 4D.

Inner Side: Yellow Group 4C.

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**General Tonality:** On open flower Yellow Group 4D.

No change in the general tonality  
at the end of the tenth day.

**Petals:**

10 Petal Reflex: Somewhat reflexed.

Margin: Entire and uniform. Weak to  
medium undulations of margin  
observed.

Shape: Apex: Round.

15 Base: Acute.

Petals are generally broadly  
elliptic.

Size: 35 mm (l) x 32 mm (w).

Texture: Smooth.

20 Thickness: Average.

Arrangement: Not Formal.

**Petaloids:**

Quantity: 8 to 12.

Color:

25 Upper Surface: Yellow Group 4C.

Lower Surface: Yellow Group 4D.

Size: 30 mm (l) x 28 mm (w).

Shape: Elliptical. Base and apex are acute.

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**Reproductive Organs:**

Pistils:

Length: 5 mm long.

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Quantity: 59 (actual count).

Pollen:

None observed.

Anthers:

Size: 1 to 2 mm in length.

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Color: Greyed-Orange Group 163B.

Quantity: 99 (actual count).

Filaments:

Color: Yellow Group 9A.

Length: 4 mm.

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Stigmas: Superior relative to the length of filaments and to the height of the anthers.

Color: Greyed-Yellow Group 162A.

Styles:

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Color: Yellow-Green Group 150D.

Other Intonations:

Red-Purple Group 57A.

Hips: None Observed in the field nursery in  
Jackson County Oregon.

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**PLANT**

Plant growth: Moderate, upright to bushy. When  
10 grown as a budded field grown plant on  
*Rosa multiflora* understock, the  
average height of the plant is 60 cm  
and the average width is 60 cm.

**Stems:**

15 Color:

Young wood: Yellow-Green Group 144B.

Older wood: Yellow-Green Group 144B.

Surface Texture:

Young wood: Smooth.

20 Older wood: Smooth.

**Thorns:**

Incidence: 4 thorns per 10 cm of stem.

Size: 9 mm.

Color: Greyed-Orange Group 177B.

25 Shape: Deeply concave.

**Plant foliage:** Normal number of leaflets on normal leaves in middle of the stem: 5 leaflets.

5 Compound Leaf size: 150 mm in length by 120 mm wide.

Quantity: On average, there are 3 leaves per 10 cm of stem.

Color:

10 **Mature Foliage:**

Upper surface is: Green Group 137A  
to Yellow-Green  
Group 144A.

Lower surface is: Yellow-Green

15 Group 147C.

**Juvenile foliage:**

Upper surface is: Yellow-Green  
Group 144A.

Lower surface is: Yellow-Green

20 Group 144B.

**Plant leaves and leaflets:**

**Stipules:**

Size: 20 mm in length.

Shape: Linear with outward  
extending apices. The apex

25

is acute. Base is flat at  
the union with the petiole.

Quantity: 2 per compound leaf.

Margins: Finely serrated with  
5 abundant stipitate glands.

Color: Yellow-Green Group 144A.

Petiole:

Length: 25 mm.

Above:

10 Color: Yellow-Green Group 144B.

Underneath:

Observations: Thorns observed.

Color: Yellow-Green Group 144A.

Rachis:

15 Length: 53 mm.

Above:

Color: Yellow-Green Group 144B.

Underneath:

Observations: Thorns observed.

20 Color: Yellow-Green Group 144A.

Leaflet:

Edge: Serrated.

Size: 45 to 68 mm (l) x 25 to 42  
mm (w).

25 Shape: Ovate. Apex is cuspidate.

Base is round.  
Texture: Smooth.  
Thickness: Thick.  
Arrangement: Odd pinnate.  
5 Venation: Reticulate.  
Glossiness: Glossy.

**Disease resistance:**

Above average resistance to mildew, rust, black spot,  
10 and Botrytis under normal growing conditions in Jackson  
County, Oregon.

**Cold Hardiness:**

The variety 'Poulcs012' has been found to be cold  
15 tolerant to USDA Cold Hardiness Zone 6.